



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

**NOTICE OF ALLOWANCE AND ISSUE FEE DUE**

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APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
08/477,989	06/07/95	010	GAMBELL, P	16-44 01/26/96

First Name: GAZIEN. 35 USC 154(b) term ext. 0 days.  
Applicant:

TITLE OF INVENTION: METHODS OF INHIBITING T-CELL MEDIATED IMMUNE RESPONSES WITH HUMANIZED CD-40L-CD2A-SPECIFIC ANTIBODIES. (AS AMENDED)

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEES DUE	DATE DUE
1 61750-147	424-154.100	031	UTILITY	NO	\$1210.00	04/26/96

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT.  
PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS  
APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

**HOW TO RESPOND TO THIS NOTICE:**

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give application number and batch number.  
Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**

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Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

08/477-989

SERIAL NUMBER	FILING DATE	BAZIN	FIRST NAMED APPLICANT	H	ATTORNEY/DISNEY/DOCKET NO.
08/477-989	08/07/95				

HM12/0128  
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EXAMINER  
GAMBEL, P

ART UNIT PAPER NUMBER  
1874 21

01/28/95 21

DATE MAILED:

#### NOTICE OF ALLOWABILITY

##### PART I.

1.  This communication is responsive to 6/26/98 ; 11/10/98  
2.  All the claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice Of Allowance And Issue Fee Due or other appropriate communication will be sent in due course.  
3.  The allowed claims are 47, 48, 17, 49, 27, 40, 43, 46, 28, 29 ~~RENUMBERED 1-10~~  
4.  The drawings filed on \_\_\_\_\_ are acceptable.  
5.  Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has [...] been received. [...] not been received. [...] been filed in parent application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_  
6.  Note the attached Examiner's Amendment.  
7.  Note the attached Examiner Interview Summary Record, PTOL-413.  
8.  Note the attached Examiner's Statement of Reasons for Allowance.  
9.  Note the attached NOTICE OF REFERENCES CITED, PTO-892.  
10.  Note the attached INFORMATION DISCLOSURE CITATION, PTO-1449.

##### PART II.

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" indicated on this form. Failure to timely comply will result in the ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

1.  Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.  
2.  APPLICANT MUST MAKE THE DRAWING CHANGES INDICATED BELOW IN THE MANNER SET FORTH ON THE REVERSE SIDE OF THIS PAPER.  
a.  Drawing informalities are indicated on the NOTICE RE PATENT DRAWINGS, PTO-948, attached hereto or to Paper No. \_\_\_\_\_, CORRECTION IS REQUIRED.  
b.  The proposed drawing correction filed on \_\_\_\_\_ has been approved by the examiner. CORRECTION IS REQUIRED.  
c.  Approved drawing corrections are described by the examiner in the attached EXAMINER'S AMENDMENT. CORRECTION IS REQUIRED.  
d.  Formal drawings are now REQUIRED.

Any response to this letter should include in the upper right hand corner, the following information from the NOTICE OF ALLOWANCE AND ISSUE FEE DUE: ISSUE BATCH NUMBER, DATE OF THE NOTICE OF ALLOWANCE, AND SERIAL NUMBER.

##### Attachments:

- Examiner's Amendment
- Examiner Interview Summary Record, PTOL-413
- Reasons for Allowance
- Notice of References Cited, PTO-892
- Information Disclosure Citation, PTO-1449

- Notice of Informal Application, PTO-152
- Notice re Patent Drawings, PTO-948
- Listing of Bonded Draftsmen
- Other

#21E

#### DETAILED ACTION

1. The location of your application in the PTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Art Unit 1644, Group 1640, Technology Center 1600.
2. Applicant's amendment, filed 6/22/98 (Paper No. 17) was entered.  
Claims 11-16, 18-26, 30-39, 41, 42, 44, 45 were canceled. Claims 1-10 were canceled previously.  
Claims 17, 27-29, 40, 43 and 46 were amended.  
Claims 47-49 were added  
  
Claims 17, 27-29, 40, 43, 46-49 are pending.

#### EXAMINER'S AMENDMENT

3. An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R. § 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the Issue Fee.
4. Amend the first sentence of the specification by adding:  
-- now abandoned, -- after "Serial No. 08/407,009 filed March 29, 1995,"
5. The title has been replaced with:  
-- METHODS OF INHIBITING T CELL MEDIATED IMMUNE RESPONSES WITH HUMANIZED LO-CD2A-SPECIFIC ANTIBODIES --

#### REASONS FOR ALLOWANCE

6. The following is an Examiner's Statement of Reasons for Allowance:

Upon reconsideration of applicant's amended claims in conjunction with applicant's arguments and the Kieber-Emmons declaration and the Inventor's declarations under 37 C.F.R. § 1.132, filed 6/22/98 (Paper Nos. 16-17); the previous rejections under 35 U.S.C. § 112, first paragraph, 35 U.S.C. § 103 and provisional double patenting have been obviated as they apply to the instant claims. The pending claims, drawn to humanized LO-CD2a-specific antibodies and their use to inhibit T cell mediated immune responses, are free of the prior art, since the claimed humanized LO-CD2a-specific antibodies incorporate changes in acceptor framework amino acids which are not met by the criteria of the prior art. Accordingly the claims of this application are deemed allowable.

7. Any comments considered necessary by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably accompany the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phillip Gabel whose telephone number is (703) 308-3997. The examiner can normally be reached Monday through Thursday from 7:30 am to 6:00 pm. A message may be left on the examiner's voice mail service. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christina Chan can be reached on (703) 308-3973. Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center 1600 receptionist whose telephone number is (703) 308-0196.

Papers related to this application may be submitted to Technology Center 1600 by facsimile transmission. Papers should be faxed to Technology Center 1600 via the PTO Fax Center located in Crystal Mall 1. The faxing of such papers must conform with the notice published in the Official Gazette, 1096 OG 30 (November 15, 1989). The CM1 Fax Center telephone number is (703) 305-3014.

Phillip Gabel, Ph.D.  
Patent Examiner  
Group 1640  
Technology Center 1600  
January 21, 1999

PHILLIP GABEL

*Christina Chan*  
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SUPERVISORY PATENT EXAMINER  
GROUP 1640